

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	023070-087130US
First Inventor	Vreeland,, Valerie
Title	RECOMBINANT MINIMAL CATALYTIC VANADIUM HALOPEROXIDASES AND THEIR USES
Express Mail Label No.	EV 330 858 507 US

<b>APPLICATION ELEMENTS</b>		<b>ADDRESS TO</b>	Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450
See MPEP chapter 600 concerning design patent application contents.			
<p>1. <input checked="" type="checkbox"/> Fee Transmittal Form x2(e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)</p> <p>2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> Specification (copy) <span style="border: 1px solid black; padding: 2px;">[Total Pages 41]</span> (preferred arrangement set forth below) - Descriptive title of the Invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R &amp; D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings ( if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure</p> <p>4. <input checked="" type="checkbox"/> 5 sheets informal drawings (copy as filed) (35 U.S.C.113)</p> <p>5. Oath or Declaration <span style="border: 1px solid black; padding: 2px;">[Total Pages 1]</span> a. <input type="checkbox"/> Newly executed (original or copy) b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d)) (for a continuation/divisional with Box 18 completed i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</p> <p>6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p>		<p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</p> <p>8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input checked="" type="checkbox"/> paper number of pages 12 c. <input checked="" type="checkbox"/> Statements verifying identity of above copies</p>	
<b>ACCOMPANYING APPLICATIONS PARTS</b>			
<p>9. <input checked="" type="checkbox"/> Assignment Papers(copy-Notice of Recordation, Recordation Form Cover Sheet, Assignment)</p> <p>10. <input checked="" type="checkbox"/> 37 CFR 3.73(b) Statement <span style="float: right;"><input checked="" type="checkbox"/> Power of Attorney (copy)</span> (copy) (when there is an assignee)</p> <p>11. <input type="checkbox"/> English Translation Document (if applicable)</p> <p>12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <span style="float: right;"><input type="checkbox"/> Copies of IDS Citations</span></p> <p>13. <input checked="" type="checkbox"/> Communication Under 37 C.F.R. §§1.821-1.825 and Preliminary Amendment</p> <p>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)</p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)</p> <p>16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent</p> <p>17. <input checked="" type="checkbox"/> Letter to Official Draftsperson with 5 sheets formal drawings</p>			

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

Continuation  Divisional  Continuation-in-part (CIP)

of prior application No: 09/596,794

Prior application information: Examiner Walicka, Małgorzata A.

Art Unit: 1652

For CONTINUATION OF DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

Customer Number

20350

OR  Correspondence address below

Name			
Address			
City	State	Zip Code	

Name (Print/Type)	Chuan Gao	Registration No. (Attorney/Agent)	54,111
Signature	10/21/03		

102103  
22387 U.S.PTO  
10/691383

# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 412

## Complete if Known

Application Number	Not yet assigned
Filing Date	Herewith
First Named Inventor	Vreeland, Valerie
Examiner Name	Not yet assigned
Art Unit	Not yet assigned
Attorney Docket No.	023070-087130US

## METHOD OF PAYMENT (check all that apply)

Check  Credit Card  Money Order  Other  None  
 Deposit Account:

Deposit Account Number 20-1430

Deposit Account Name Townsend and Townsend and Crew LLP

## The Director is authorized to: (check all that apply)

Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) or any underpayment of fee(s)  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
1001 770	2001 385	Utility filing fee	385
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)			(\$385)

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

	Extra Claims	Fee from below	Fee Paid
Total Claims	23	-20** = 3 X\$9	\$27
Independent Claims	2	-3** = 0 X\$43	\$0
Multiple Dependent		X	

Large Entity	Small Entity	Fee Description
Fee Code (\$)	Fee Code (\$)	
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		(\$27)

\*or number previously paid, if greater; For Reissues, see above

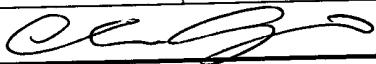
## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity	Entity	Small Entity	Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)		
1051 130	2051 65	1053 130	1051 130	Surcharge - late filing fee or oath	
1052 50	2052 25	1812 2,520	1812 2,520	Surcharge - late provisional filing fee or cover sheet	
		1804 920*	1804 920*	Non-English specification	
				For filing a request for reexamination	
				Requesting publication of SIR prior to Examiner action	
				Requesting publication of SIR after Examiner action	
				Extension for reply within first month	
				Extension for reply within second month	
				Extension for reply within third month	
				Extension for reply within fourth month	
				Extension for reply within fifth month	
				Notice of Appeal	
				Filing a brief in support of an appeal	
				Request for oral hearing	
				Petition to institute a public use proceeding	
				Petition to revive – unavoidable	
				Petition to revive – unintentional	
				Utility issue fee (or reissue)	
				Design issue fee	
				Plant issue fee	
				Petitions to the Commissioner	
				Petitions related to provisional applications	
				Submission of Information Disclosure Stmt	
				Recording each patent assignment per property (times number of properties)	
				Filing a submission after final rejection (37 CFR § 1.129(a))	
				For each additional invention to be examined (37 CFR § 1.129(b))	
				Request for Continued Examination (RCE)	
				Request for expedited examination of a design application	
				Other fee (specify) _____	
					(\$)

\*Reduced by Basic Filing Fee Paid SUBTOTAL (3)

## SUBMITTED BY

Name (Print/Type)	Chuan Gao	Registration No. (Attorney/Agent)	54,111	Telephone	415-576-0200
Signature					Date 10/21/03

## Complete (if applicable)

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

"Express Mail" Label No.: EV 330 858 507 US

PATENT

Date of Deposit: October 21, 2003

Attorney Docket No.: 023070-087130US

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

TOWNSEND and TOWNSEND and CREW LLP

By Karen Karlin  
Karen Karlin

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Vreeland, Valerie

Examiner: Not yet assigned

Application No.: Not yet assigned

Art Unit: Not yet assigned

Filed: Herewith

LETTER TO OFFICIAL DRAFTSPERSON

For: RECOMBINANT MINIMAL  
CATALYTIC VANADIUM  
HALOPEROXIDASES AND THEIR  
USES

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicant submits five (5) sheets of formal drawings to be made of record in the  
above-identified case.

Respectfully submitted,



Chuan Gao  
Reg. No. 54,111

TOWNSEND and TOWNSEND and CREW LLP  
Two Embarcadero Center, 8th Floor  
San Francisco, California 94111-3834  
(415) 576-0200  
Fax (415) 576-0300  
CG/kk  
60065086 v1